

10088869.070302

JC07 Rec'd PCT/PTO 22 MAR 2002

FORM PTO-1390 (REV. 12-2001)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY'S DOCKET NUMBER 13930NP	
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371				U.S. APPLICATION NO. (If known, see 37 CFR 1.5)	
				10/088869	
INTERNATIONAL APPLICATION NO. PCT/SE00/01829		INTERNATIONAL FILING DATE 20 September 2000 (20.09.2000)		PRIORITY DATE CLAIMED 23 September 1999 (23.09.1999) 26 January 2000 (26.01.2000) 15 August 2000 (15.08.2000)	
TITLE OF INVENTION REFERENCE CARD					
APPLICANT(S) FOR DO/EO/US CARLSON, Christer					
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:					
<p>1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371.</p> <p>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input type="checkbox"/> The US has been elected by the expiration of 19 months from the priority date (Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))</p> <p>a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</p> <p>b. <input type="checkbox"/> has been communicated by the International Bureau.</p> <p>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</p> <p>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).</p> <p>a. <input type="checkbox"/> is attached hereto.</p> <p>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</p> <p>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))</p> <p>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</p> <p>b. <input type="checkbox"/> have been communicated by the International Bureau.</p> <p>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</p> <p>d. <input type="checkbox"/> have not been made and will not be made.</p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).</p> <p>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). unsigned</p> <p>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p> <p>Items 11 to 20 below concern document(s) or information included:</p> <p>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input checked="" type="checkbox"/> A FIRST preliminary amendment. FOR PURPOSES OF CALCULATING FILING FEES</p> <p>14. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input type="checkbox"/> A change of power of attorney and/or address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.</p> <p>18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p> <p>20. <input checked="" type="checkbox"/> Other items or information: unsigned Claim for Small Entity Status</p>					

U.S. APPLICATION NO. 10/088869		INTERNATIONAL APPLICATION NO. PCT/SE00/01829		ATTORNEY'S DOCKET NUMBER 13930NP	
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21. <input checked="" type="checkbox"/> The following fees are submitted: BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)): Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO. \$1040.00 International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO \$890.00 International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO \$740.00 International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) \$710.00 International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) \$100.00 ENTER APPROPRIATE BASIC FEE AMOUNT =				CALCULATIONS PTO USE ONLY <table style="width:100%; border: none;"> <tr> <td style="width:10%;"></td> <td style="width:10%; text-align: right;">\$</td> <td style="width:40%; text-align: right;">1,040.</td> <td style="width:10%; text-align: right;">00</td> </tr> </table>			\$	1,040.	00
	\$	1,040.	00						
Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input checked="" type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				<table style="width:100%; border: none;"> <tr> <td style="width:10%;"></td> <td style="width:10%; text-align: right;">\$</td> <td style="width:40%; text-align: right;">130</td> <td style="width:10%; text-align: right;">00</td> </tr> </table>			\$	130	00
	\$	130	00						
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE						
Total claims	14 - 20 =		x \$18.00						
Independent claims	2 - 3 =		x \$84.00						
MULTIPLE DEPENDENT CLAIM(S) (if applicable)				+ \$280.00					
TOTAL OF ABOVE CALCULATIONS =				\$	1,170 00				
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				+	\$ 585 00				
SUBTOTAL =				\$	585 00				
Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$					
TOTAL NATIONAL FEE =				\$	585 00				
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +				\$					
TOTAL FEES ENCLOSED =				\$	585 00				
				Amount to be refunded:	\$				
				charged:	\$				

a. ☒ A check in the amount of \$ 585.00 to cover the above fees is enclosed.

b. ☐ Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees.
 A duplicate copy of this sheet is enclosed.

c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any
 overpayment to Deposit Account No. 04-157.7A duplicate copy of this sheet is enclosed.

d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card
 information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR
 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.

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SIGNATURE
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 NAME
26,868
 REGISTRATION NUMBER

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Christer Carlson
Appl. No. :
Filed : March 22, 2002
Title : REFERENCE CARD

Grp./A.U. :
Examiner :

Docket No.: 13930NP

Honorable Commissioner of Patents
Washington DC 20231

PRELIMINARY AMENDMENT FOR PURPOSES OF CALCULATING FILING
FEES

Sir:

Please amend the above referenced application as follows:

IN THE CLAIMS:

3. (Amended) The reference card according to claim 1,
wherein the reference card on its front is provided with a field
(2, 4) for assistance in setting focus and/or for centering of
the pictures taken by digital multishot photographing.

5. (Amended) The reference card according to claim 4,
wherein one field is a black field (4) with a target of white
lines (5).

6. (Amended) The reference card according to claim 6,

wherein the reference card on its front is provided with a grey scale (6) where the grey scale (6) has the same neutral grey colour as the reference card but where the grey colour is mixed with white and black, respectively, in different extent.

8. (Amended) The reference card according to claim 1, wherein the reference card on its front is provided with a colour scale with reference colours.

9. (Amended) The reference card according to claim 1, wherein the front of the reference card has a surface area which is less than 300 cm², preferably less than 130 cm² and most preferably less than 70 cm².

10. (Amended) The reference card according to claim 1, wherein the front of the reference card has a surface area which is about 1-3 cm².

12. (Amended) The reference card according to claim 1, wherein the pad (1), the sheet (8) or the strip (7) with reference cards are stored in a lighttight box.

MARKED UP VERSION OF AMENDMENTS TO CLAIMS

3. (Amended) The reference card according to claim 1 ~~or 2~~, wherein the reference card on its front is provided with a field (2, 4) for assistance in setting focus and/or for centering of the pictures taken by digital multishot photographing.

5. (Amended) The reference card according to claim 3 ~~or 4~~, wherein one field is a black field (4) with a target of white lines (5).

6. (Amended) The reference card according to ~~anyone of the previous~~ claims 6, wherein the reference card on its front is provided with a grey scale (6) where the grey scale (6) has the same neutral grey colour as the reference card but where the grey colour is mixed with white and black, respectively, in different extent.

8. (Amended) The reference card according to ~~anyone of the previous~~ claims 1, wherein the reference card on its front is provided with a colour scale with reference colours.

9. (Amended) The reference card according to ~~anyone of the previous claims 1~~, wherein the front of the reference card has a surface area which is less than 300 cm², preferably less than 130 cm² and most preferably less than 70 cm².

10. (Amended) The reference card according to ~~anyone of claims 1-8~~, wherein the front of the reference card has a surface area which is about 1-3 cm².

12. (Amended) The reference card according to ~~anyone of the previous claims 1~~, wherein the pad (1), the sheets (8) or the strip (7) with reference cards are stored in a lighttight box.

14. (Amended) A method for manufacturing a reference card according to ~~anyone of the previous claims 1~~, characterized by applying the colour in question of the card by spraying or painting so that it opaquely covers the card.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Christer Carlson

TITLE: REFERENCE CARD

SERIAL NUMBER:

DOCKET NUMBER: 13930NP

FILED:

VERIFIED STATEMENT CLAIMING SMALL ENTITY STATUS

[X] FOR INDEPENDENT INVENTOR

As a below-named inventor, I hereby declare that I am an independent inventor who (1) has not assigned, granted, conveyed, or licensed, and (2) is under no obligation under contract or law, to assign, grant, convey, or license, any rights in the invention, to any person who could not likewise be classified as an independent inventor if that person had made the invention, or to any concern which would not qualify as a small business concern or a nonprofit organization, as defined in 37 CFR 1.9.

[X] FOR SMALL BUSINESS CONCERN

I hereby declare that QP CARD AB, of Hogbergsgatan 44, Hogbergsgatan 44, S-118 26 Stockholm, Sweden is a business concern which qualifies as a small business concern as defined in §1.9(d) - namely, (1) whose number of employees, including those of its affiliates, does not exceed 500 persons; and (2) which has not assigned, granted, conveyed, or licensed, and is under no obligation under contract or law to assign, grant, convey or license, any rights in the invention to any person who could not be classified as an independent inventor if that person had made the invention, or to any concern which would not qualify as a small business concern or a nonprofit organization under this section; and that the exclusive rights to the invention have been conveyed to and remain with the above-identified small business concern.

I further declare that all statements made herein of my own knowledge are true and all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that willful, false statements and the like, so made, are punishable by fine or imprisonment or both, under Section 1001 of Title 18 of the United States Code, and that such willful, false statements may jeopardize the validity of the patent application or any patent issuing thereon.

INVENTOR(S) :

Christer Carlson

Date: _____

SMALL BUSINESS CONCERN:

QP CARD AB

By: _____

Name: _____

Title: _____

Date: _____

3 JUL 2002 13:41

BERGENSTRAHLE & LINDVALL

1008886 NR. 4487 DS 02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Christer Carlson

TITLE: REFERENCE CARD

SERIAL NUMBER: 10/088,869

DOCKET NUMBER: 13930NP

FILED: 22 March 2002

VERIFIED STATEMENT CLAIMING SMALL ENTITY STATUS

[X] FOR INDEPENDENT INVENTOR

As a below-named inventor, I hereby declare that I am an independent inventor who (1) has not assigned, granted, conveyed, or licensed, and (2) is under no obligation under contract or law, to assign, grant, convey, or license, any rights in the invention, to any person who could not likewise be classified as an independent inventor if that person had made the invention, or to any concern which would not qualify as a small business concern or a nonprofit organization, as defined in 37 CFR 1.9.

[X] FOR SMALL BUSINESS CONCERN

I hereby declare that QP CARD AB, of Hogbergsgatan 44, Hogbergsgatan 44, S-118 26 Stockholm, Sweden is a business concern which qualifies as a small business concern as defined in §1.9(d) - namely, (1) whose number of employees, including those of its affiliates, does not exceed 500 persons; and (2) which has not assigned, granted, conveyed, or licensed, and is under no obligation under contract or law to assign, grant, convey or license, any rights in the invention to any person who could not be classified as an independent inventor if that person had made the invention, or to any concern which would not qualify as a small business concern or a nonprofit organization under this section; and that the exclusive rights to the invention have been conveyed to and remain with the above-identified small business concern.

I further declare that all statements made herein of my own knowledge are true and all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that willful, false statements and the like, so made, are punishable by fine or imprisonment or both, under Section 1001 of Title 18 of the United States Code, and that such willful, false statements may jeopardize the validity of the patent application or any patent issuing thereon.

INVENTOR(S):

Christer Carlson

Date: 02 06 11

SMALL BUSINESS CONCERN:

QP CARD AB

By: [Signature]

Name: [Signature]

Title: CEO

Date: 11 June 2002

REFERENCE CARD

Rec'd PCT/PTO 22 MAR 2002

The present invention concerns a reference card to be used as a reference object concerning the light reflection and colour balance in photography, especially a grey card, which has neutral grey colour and reflects a predetermined amount of light.

Grey cards are used in photography for taking light measurement and exposure setting of the camera, and in after treatment of the picture, the grey card can be used as a reference when producing a picture with the right colour balance. Briefly the method comprises the steps to measure the reflecting incoming light on the grey card by means of a light meter, the grey card normally reflecting 18 % of the incoming light, and to adjust the exposure setting of the camera according to the measured value. Thereafter, the object is photographed with the settings of the camera appropriate for the occasion, whereby the photo is stored on a film or in an electronic memory according the used camera technique. When producing the picture it is known that the grey card is properly exposed, whereby this information gives data for copying or for digital production of the whole picture.

Previously known grey cards are made of rigid carton with a neutral grey side, which reflects 18 % of the incoming light and a white side, which reflects substantially 90 % of the incoming light and are sold in one smaller and one bigger size, about 130 cm² and 520 cm², respectively, at a relatively high price. The grey cards are sensitive to light and gradually change colour. After some time the colour value has changed too much so the grey colour is not neutral any longer and the grey card cannot be used for the balancing of grey and colours any longer.

Another problem is that the grey cards are large and ungainly to transport together with the camera equipment and

occupy a large area of the photo so that a large portion of the original photo must be cut away. Additionally, they are difficult to place at the object to be photographed. Mostly large clips are required or you have to try to lean the grey card against something, at the same time it is not allowed to be in an angle towards the wrong direction.

The aim of the present invention is to set aside the above mentioned problems.

This aim is fulfilled by means of a reference card according to the preamble which is characterized in that the back of the reference card is provided with a releasable adhesive and a number of reference cards are assembled in a pad, on a sheet or attached to a strip, which is stored in a rolled-up position so that the reference cards are protected from light by each other.

The advantage with this reference card is that it is easy to bring, easy to attach where it is preferably positioned and also easy to remove and reattach at another position and reuse it as long as the colour stays unchanged. Since the reference cards are attached one upon the other as in a pad, attached to sheets or attached to a strip, which is stored in a rolled-up position they protect each other from having a change in colour due to exposure of light. Only the top one in the pad will be exposed to light. The sheets are preferably stored with the reference card sides opposing each other or folded so the reference cards thereof are protected from light.

According to one embodiment, the reference card is flexible, which has the advantage that the reference card may be folded and, for example, attached in an inclined position from the surface.

According to another embodiment the front of the reference card is provided with a field, which facilitates the setting of the focus when photographing objects without sharp contours and which additionally, when photographing using

multishot technique (for example three shot technique where one red, one blue and one green picture is assembled on top of each other) may be used for centering of the taken pictures (three in case of three shot technique, four in case of four shot technique) so that they exactly coincide.

According to a further embodiment, the reference card is provided with a grey scale, which has the same neutral grey colour as its basis as the rest of the reference card but is mixed with white and black, respectively, and which extends from white, 0 % black mixed in, to black, 100 % black mixed in, via a number of grey fields with varying mixes of white and black, respectively. The grey scale is, for example, used as a reference for the contrast and to set the white- and blackpoint of the motif.

According to another embodiment, the reference card is provided with a colour scale with reference colours.

Preferably the pad, the sheets or the roll of reference cards are stored in a light tight box and the size of the reference card is smaller than 300 cm² preferably smaller than 130 cm² and most preferably smaller than 70 cm². Also very small reference cards may be made with an area surface of about 1-3 cm². Such card may advantageously be provided with a white and a black field to give the possibility to set the white and black point of the motif.

Preferred embodiments will now be described in more detail in connection with the drawings, in which:

Fig. 1 shows a pad of reference cards according to the present invention.

Fig. 2 shows an enlarged reference card according to the preferred embodiment of the present invention.

Fig. 3 shows a roll of reference cards according to the present invention.

Fig. 4 shows a number of sheets with a number of attached

reference cards according to the present invention.

The reference cards 10 according to the invention are provided with a releasable adhesive on the back. The adhesive
5 may cover the whole of the back or portions thereof, for example, as a strip along one of the edges. Thanks to the adhesive the reference card 10 may be provided in a pad 1 where the reference cards placed on top protects the reference cards 10 placed underneath from exposure of light, since light
10 gradually makes the reference cards more and more yellow, i.e. the neutral grey colour changes into a grey colour where yellow dominates. See fig. 1. Another possibility is to attach preferably small reference cards 10 to a strip 7, which is rolled-up into a roll where the reference cards 10 are
15 preferably provided on the inside of the strip 7 to be protected from light by each other and the strip 7. See fig. 3. A further possibility is to attach a number of reference cards to a sheet 8, which, for example may be stored as loose sheets or in a pad, see fig. 4.

20 The reference card, according to a preferred embodiment, is flexible so it is bendable or foldable, whereby the adhesive attach to the surface and the folded-out portion faces the camera in an appropriate angle, and therefore are easier to attach and position in an appropriate place. It may
25 be torn apart so that a smaller portion is used in close-up photography or made in very small sizes.

The reference card must be light-tight and may not let light through, for example, from behind. Preferably the back is black.

30 When photographing, for example, large paintings it may be difficult to set focus, wherefore preferably a white field 2 with a black grid 3 is provided at the front of the reference card, see fig. 2. Also a black field 4 with white lines 5, which, for example, forms a target may be provided.

Of course may such fields have any design, the main thing is that it is contrasty.

Such fields 2, 4 are a great help when taking digital photos and then especially when taking digital photos using multishot technique. This technique comprises the steps of taking a photo of the object a number of times, for example using three shot technique three times, with the same settings but with different colour filters, using three shot technique red, blue and green and then assemble these photos into the one and same photo. The camera is very sensitive so the slightest movement of the floor causes easily a displacement of any of the photos. To be able to see if a displacement has occurred and thereafter centre the photos, i.e. pixle adjust the photos, a very contrasty field in the photo with thin lines, which seldom naturally exists on the object being photographed, is required. To have at least one field like this on the reference card facilitates the work enormously.

Preferably also a grey scale 6 provided at the front of the reference card, which grey scale is based on the same neutral grey colour as the rest of the reference card. The grey scale extends from white to black via a number of fields with different mixes of white and black, respectively. In the preferred embodiment a grey scale is illustrated which show the percentage of black mix. The white field has 0 % of black mixed in, the next field has 5 % of black and in this way the scale steps up with 5 % per field until 100 % black is reached. Of course other than shown sizes of the percentage steps may be used or the numbers may show the percentage of mix in of white or the numbers may be missed out. The grey scale helps determining of the contrast and at which percentage the picture shall be produced. This is important for obtaining the best results in typing and printing of pictures. Of course, a colour field may also be provided on the front of the reference card if wished (not shown) so that

a reference may be achieved for each colour, red, blue, green, cyanogen, magenta and yellow.

Advantageously the inventive reference card may be used when scanning reflective images to be able to determine the grey balance.

One of the advantages of the reference card according to the present invention is the convenient size. Fig. 2 show the reference card in its biggest size, about 300 cm², but preferably they are not larger than about 130 cm² and rather not larger than about 70 cm². The reference cards may also be made in very small sizes, preferably between 1-3 cm² and preferably without the previously mentioned fields. However they may advantageously be provided with a black and a white field for the determination of the blackpoint and the whitepoint, respectively. These small reference cards may be of great use in general photography since such a small field not always need to be cut away from the picture but gives one or more reference points. Thanks to the adhesive on the back they are easily positioned at desired place. The pad 1, the strip 7 or the sheets 8 with reference cards is preferably stored in a light-tight box (not shown). In its smallest size the box of reference cards may easily be carried in a pocket without the risk of being creased or damaged.

Since the reference cards, just as film, is a "fresh article" decaying with time and light sensitive they may be marked with a date and even marked with a serial number or emulsion number so that their exact values may be attained from the producer.

With this preferred embodiment a convenient reference card, which is easy to work with, last for a long time and additionally has a lot help and special functions, is provided.

The reference card according to the invention may be manufactured of a carrier means of paper, carton or of a

suitable plastic material and the colour in question may be applied by means of opaquely covering by spraying or painting. This method is preferred instead of a printing method, which may bring up problems at the actual printing in achieving a
5 fully covering colour layer, the right tint as well as a reference card with full quality and resistance.

CLAIMS

1. A reference card for the use as a reference object concerning light reflection and colour balance for photographing, which reference card has a neutral grey colour and reflects a predetermined amount of light, **characterized** in that the back of the reference card is provided with a releasable adhesive and that a number of reference cards are assembled in a pad (1), on a sheet (8) or attached to a strip (7), which is stored rolled-up so that the reference cards are protected from light by each other.
2. The reference card according to claim 1, wherein the reference card is flexible.
3. The reference card according to claim 1 or 2, wherein the reference card on its front is provided with a field (2, 4) for assistance in setting focus and/or for centering of the pictures taken by digital multishot photographing.
4. The reference card according to claim 3, wherein one field is a white field (2) with a black grid (3).
5. The reference card according to claim 3 or 4, wherein one field is a black field (4) with a target of white lines (5).
6. The reference card according to anyone of the previous claims, wherein the reference card on its front is provided with a grey scale (6) where the grey scale (6) has the same neutral grey colour as the reference card but where the grey colour is mixed with white and black, respectively, in different extent.

7. The reference card according to claim 6, wherein the grey scale (6) is divided in fields from white to black, wherein each field is marked with the percentage of how much black the field comprises.
8. The reference card according to anyone of the previous claims, wherein the reference card on its front is provided with a colour scale with reference colours.
9. The reference card according to anyone of the previous claims, wherein the front of the reference card has a surface area which is less than 300 cm², preferably less than 130 cm² and most preferably less than 70 cm².
10. The reference card according to anyone of claims 1-8, wherein the front of the reference card has a surface area which is about 1-3 cm².
11. The reference card according to claim 9, wherein the reference card shows a black and a white field.
12. The reference card according to anyone of the previous claims, wherein the pad (1), the sheets (8) or the strip (7) with reference cards are stored in a lighttight box.
13. A reference card for the use as a reference object concerning light reflection and colour balance in photographing, which reference card has a neutral grey colour and reflects a predetermined amount of light, **characterized in** that the back of the reference card is provided with a releasable adhesive, that a number of reference cards are assembled in a pad (1) so that the reference cards are protected from light by each other and

that each front of the reference cards is provided with a white field (2) with a black grid (3), a black field (4) with a target of white lines (5) and a grey scale (6) where the grey scale (6) has the same neutral grey colour as the reference card but where the grey colour is mixed with white and black, respectively, in different extent.

14. A method for manufacturing a reference card according to anyone of the previous claims, **characterized by** applying the colour in question of the card by spraying or painting so that it opaquely covers the card.

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

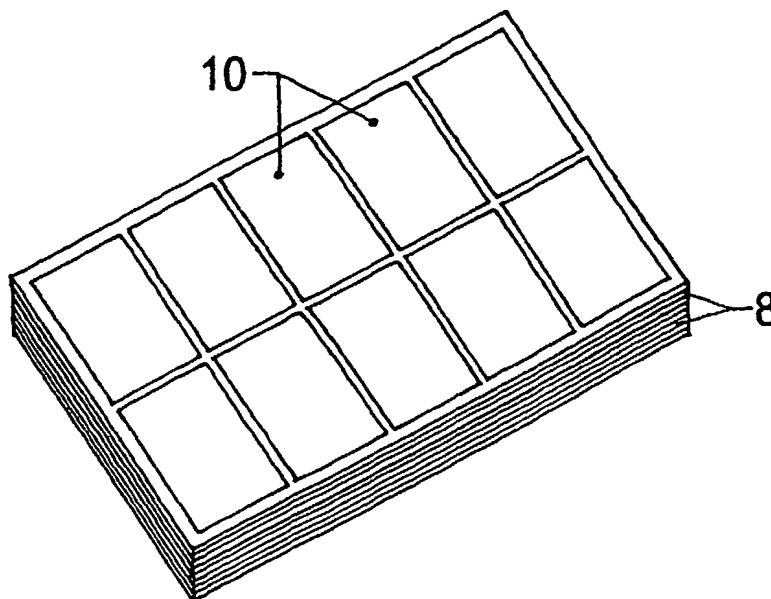
(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:

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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: REFERENCE CARD



(57) Abstract: The invention concerns a reference card for the use as a reference object concerning light reflection and colour balance in photographing, which reference card has a neutral grey colour and reflects a predetermined amount of light. The back of the reference card provided with a releasable adhesive and that a number of reference cards are assembled in a pad (1), on a sheet (8) or attached to a strip (7) which is stored in a rolled-up position so that the reference cards are protected from light by each other. The invention also concerns a method of manufacturing said inventive reference card, whereby the colour in question of the card is applied by spraying or painting so that it opaquely cover the card.

WO 01/22161 A1

Fig 1

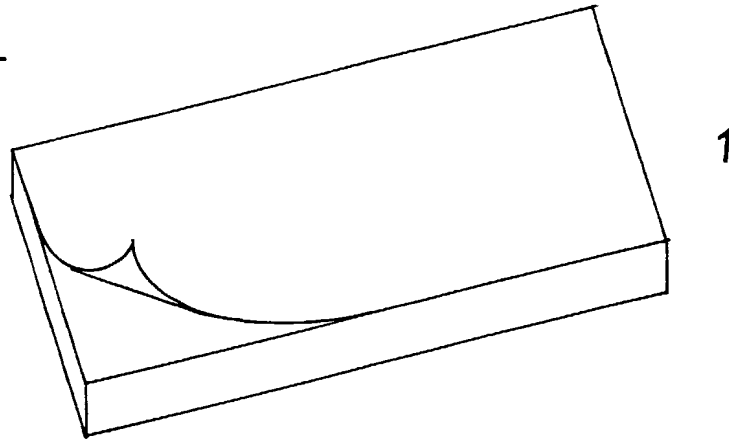


Fig 3

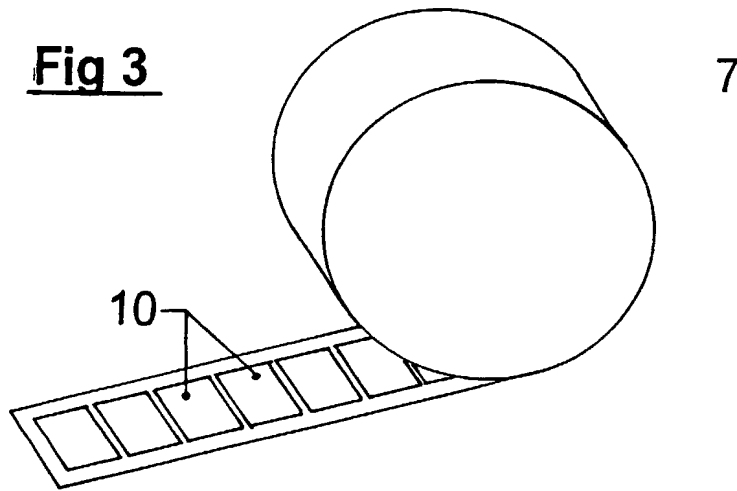
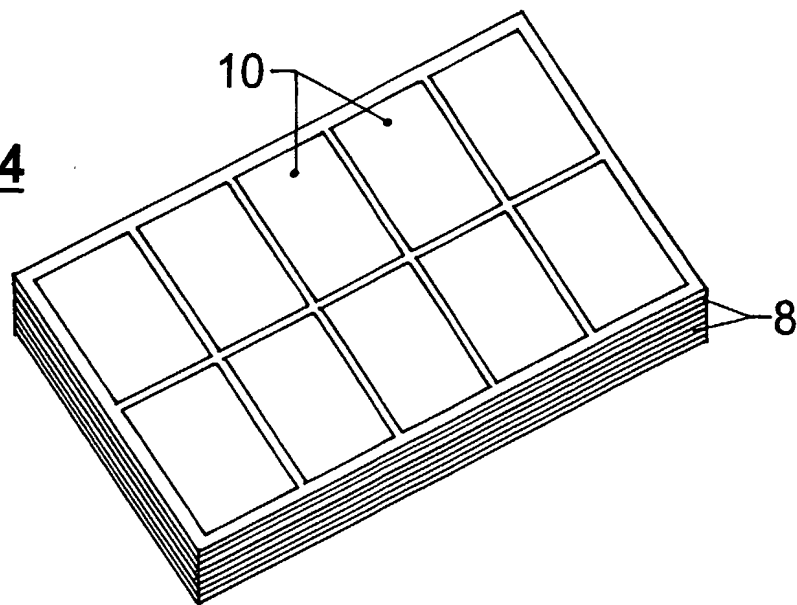


Fig 4



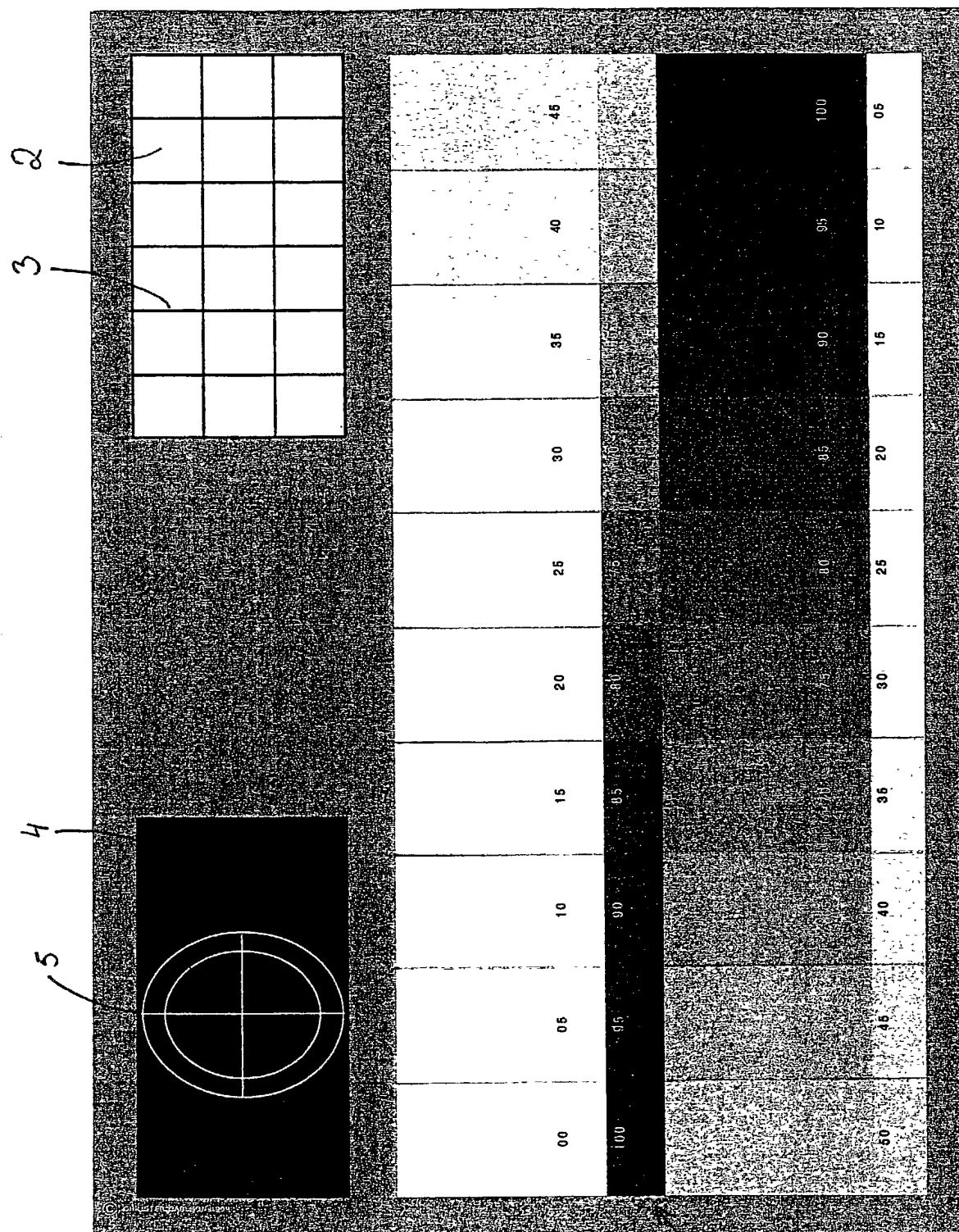


Fig. 2

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DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)	Attorney Docket Number	13930NP
	First Named Inventor	CARLSON
	COMPLETE IF KNOWN	
	Application Number	10 / 088,869
	Filing Date	22 March 2002
	Art Unit	
<input checked="" type="checkbox"/> Declaration Submitted with Initial Filing	OR	<input checked="" type="checkbox"/> Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)
Examiner Name		

As the below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original and first inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

REFERENCE CARD

(Title of the invention)

the specification of which

☒ is attached hereto

OR

☒ was filed on (MM/DD/YYYY)

03/22/2002

as United States Application Number or PCT International

Application Number SE00/01829 and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
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☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

[Page 1 of 2]

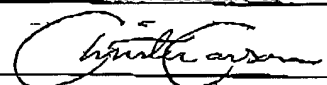
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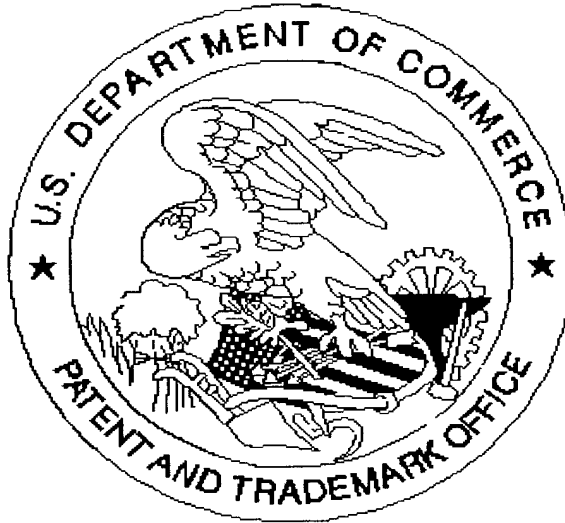
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DECLARATION — Utility or Design Patent Application

Direct all correspondence to: <input checked="" type="checkbox"/>		Customer Number or Bar Code Label 000293		OR <input type="checkbox"/> Correspondence address below	
Name Dowell, Ralph A., DOWELL & DOWELL, P.C.					
Address Suite 309, 1215 Jefferson Davis Highway					
City Arlington		State VA		ZIP 22202	
Country US		Telephone 703 415 2555		Fax 703 415 2555	
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.					
NAME OF SOLE OR FIRST INVENTOR:		<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle (if any)) 1-00 Christer		Family Name or Surname Carlson			
Inventor's Signature 		Date			
Residence: City Sundbyberg		State		Country SE Citizenship SE <i>SE</i>	
Mailing Address Target 3					
City Sundbyberg		State		ZIP S-172 67 Country SE	
NAME OF SECOND INVENTOR:		<input type="checkbox"/> A petition has been filed for this unsigned inventor			
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